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PTO/SB/01 (10-00)

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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☒ Declaration Submitted with Initial Filing      OR      ☐ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number	56.0553CIP
First Named Inventor	Kevin W. England
<b>COMPLETE IF KNOWN</b>	
Application Number	/
Filing Date	October 2, 2001
Group Art Unit	Unknown
Examiner Name	Unknown

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**FOAMING AGENTS FOR USE IN COAL SEAM RESERVOIRS**

(Title of the Invention)

the specification of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

Application Number

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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PTO/SB/01 (10-00)

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## DECLARATION — Utility or Design Patent Application

Direct all correspondence to:

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or Bar Code Label

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OR ☐

Correspondence address below

Name

Address

Address

City

State

ZIP

Country

Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR :

☐ A petition has been filed for this unsigned inventor

Given Name

Kevin W.

Family Name  
or Surname

England

(first and middle [if any])

Inventor's  
Signature

*Kevin W. England*

*September 24, 2001*  
Date

Residence: City

Houston

State

TX

Country USA

Citizenship US

Mailing Address 18102 Somerset Knolls

Mailing Address

City Houston

State

TX

ZIP

77094

Country

USA

NAME OF SECOND INVENTOR:

☐ A petition has been filed for this unsigned inventor

Given Name

J. Ernest

Family Name  
or Surname

Brown

(first and middle [if any])

Inventor's  
Signature

*J. Ernest Brown*

*Sept. 24, 2001*  
Date

Residence: City

Katy

State

TX

Country

US

Citizenship

US

Mailing Address 2015 Parco Verde Circle

Mailing Address

City Katy

State

TX

ZIP

77450

Country

USA

☒ Additional inventors are being named on the \_\_\_\_\_ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

Please type a plus sign (+) inside this box → +

PTO/SB/02A (11-00)

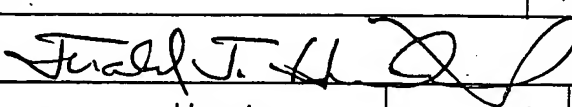
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## DECLARATION

ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 1 of 2

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Jerald J.		Hinkel	
Inventor's Signature 		Date	
Sept. 26, 2001			
Residence: City	Houston	State	TX
Country	USA	Citizenship	US
Mailing Address			
18219 Mountfield Drive			
Mailing Address			
City	Houston	State	TX
ZIP	77084	Country	USA
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Ramchandra M.		Reddy	
Inventor's Signature		Date	
Houston		TX	
USA		US	
Mailing Address			
13622 Hidden Dell Court			
Mailing Address			
City	Houston	State	TX
ZIP	77059	Country	USA
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature		Date	
Residence: City		State	
Country		Citizenship	
Mailing Address			
City		State	
ZIP		Country	

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<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> <b>Supplemental Sheet</b> Page <u>2</u> of <u>2</u>
--------------------	---

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Jerald J.		Hinkel	
Inventor's Signature		Date	
Residence: City	Houston	State	TX
		Country	USA
Citizenship		US	
Mailing Address			
18219 Mountfield Drive			
Mailing Address			
City	Houston	State	TX
		ZIP	77084
		Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Ramchandra M.		Reddy	
Inventor's Signature		Date	
<i>M. Ramchandra Reddy</i>		9/27/01	
Residence: City	Houston	State	TX
		Country	USA
Citizenship		US	
Mailing Address			
13622 Hidden Dell Court			
Mailing Address			
City	Houston	State	TX
		ZIP	77059
		Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature		Date	
Residence: City		State	
		Country	
Citizenship			
Mailing Address			
Mailing Address			
City		State	
		ZIP	
		Country	

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DECEMBER 14, 2001

PTAS

SCHLUMBERGER TECHNOLOGY CORPORATION  
IP DEPT WELL STIMULATION  
110 SCHLUMBERGER DRIVE, MD1  
SUGAR LAND, TX 77478

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
[www.uspto.gov](http://www.uspto.gov)



\*101873496A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/02/2001

REEL/FRAME: 012233/0841  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ENGLAND, KEVIN W.

DOC DATE: 09/24/2001

ASSIGNOR:

BROWN, J. ERNEST

DOC DATE: 09/24/2001

ASSIGNOR:

HINKEL, JERALD J.

DOC DATE: 09/26/2001

ASSIGNOR:

REDDY, RAMCHANDRA M.

DOC DATE: 09/27/2001

ASSIGNEE:

SCHLUMBERGER TECHNOLOGY  
CORPORATION  
110 SCHLUMBERGER DRIVE  
SUGAR LAND, TEXAS 77478

SERIAL NUMBER: 09969392  
PATENT NUMBER:

FILING DATE: 10/02/2001  
ISSUE DATE:

012233/0841 PAGE 2

SAUNDRA BALLENGER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

10-15-2001



101873496



To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. NAME OF CONVEYING PARTY(IES):

Kevin W. England  
J. Ernest Brown  
Jerald J. Hinkel  
Ramchandra M. Reddy

No additional names attached

2. NAME AND ADDRESS OF RECEIVING PARTY(IES):

Schlumberger Technology Corporation  
110 Schlumberger Drive  
Sugar Land, Texas 77478

No additional names & addresses attached

10-2-01  
09969392

3. NATURE OF CONVEYANCE:

ASSIGNMENT

EXECUTION DATE: September 24, 2001, September 24, 2001, September 26, 2001, September 27, 2001

4. APPLICATION NUMBER(S) OR PATENT NUMBER(S):

If this document is being filed with a new application, the execution date of the application is: \_\_\_\_\_

A. PATENT APPLICATION NO.(s)

B. PATENT NO.(s)

NO ADDITIONAL NUMBERS ATTACHED

5. NAME AND ADDRESS FOR CORRESPONDENCE:

Schlumberger Technology Corporation  
IP Dept., Well Stimulation  
110 Schlumberger Drive, MD1  
Sugar Land, Texas 77478

6. TOTAL NUMBER OF APPLNS. & PATENTS INVOLVED 1.

7. TOTAL FEE (37 CF4.3.41) \$40.00

CHARGE TO DEPOSIT ACCOUNT

8. DEPOSIT ACCOUNT NO. 04-1579(56. 0553CIP)  
(a duplicate of this page is attached)

9. STATEMENT AND SIGNATURE.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

(Signature)

020001  
(Date)

Total number of pages including cover sheet, attachments and document:

10/12/2001 DBYRNE 00000027 041579 09969392  
01 FC:581 40.00 CH



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## ASSIGNMENT OF APPLICATION

Docket Number (Optional)

56.0553CIP

Whereas, I, Kevin W. England of Schlumberger Technology Corporation, hereafter referred to as applicant, have invented certain new and useful improvements in Foaming Agents for Use in Coal Seam Reservoirs

☐ for which an application for a United States Patent was filed on \_\_\_\_\_, Application Number \_\_\_\_\_ / \_\_\_\_\_.

☒ for which an application for a United States Patent was executed on October 2, 2001, and

Whereas, Schlumberger Technology Corporation of Sugar Land, Texas USA herein referred to "assignee" whose mailing address is 110 Schlumberger Drive, MD1 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of One dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 24<sup>th</sup> day of September, 2001,  
at Sugar Land

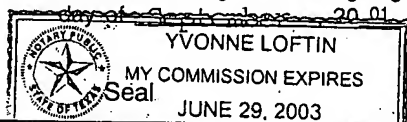
Kevin W. England  
(Signature)

State of Texas ) SS:

County of Ft. Bend )

Before me personally appeared said Kevin W. England

and acknowledged the foregoing instrument to be his free act and deed this 24<sup>th</sup>



Yvonne Loftin  
(Notary Public)

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**ASSIGNMENT OF APPLICATION**

Docket Number (Optional)  
**56.0553CIP**

Whereas, I, J. Ernest Brown of Schlumberger Technology Corporation, hereafter referred to as applicant, have invented certain new and useful improvements in Foaming Agents for Use in Coal Seam Reservoirs

☐ for which an application for a United States Patent was filed on \_\_\_\_\_, Application Number \_\_\_\_\_ / \_\_\_\_\_,  
☒ for which an application for a United States Patent was executed on October 2, 2001, and

Whereas, Schlumberger Technology Corporation of Sugar Land, Texas USA herein referred to "assignee" whose mailing address is 110 Schlumberger Drive, MD1 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of One dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States; I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

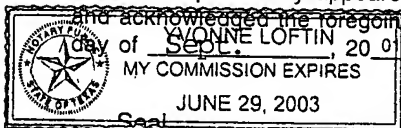
Executed this 24th day of September, 2001,  
at Sugar Land, Texas

State of Texas ) SS:

County of Ft. Bend )

Before me personally appeared said J. Ernest Brown

(Signature)



and acknowledged the foregoing instrument to be his free act and deed this 24th

of SEPTEMBER, 2001

JUNE 29, 2003

(Notary Public)

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## ASSIGNMENT OF APPLICATION

Docket Number (Optional)  
56.0553CIP

Whereas, I, Jerald J. Hinkel of Schlumberger Technology Corporation, hereafter referred to as applicant, have invented certain new and useful improvements in Foaming Agents for Use in Coal Seam Reservoirs

☐ for which an application for a United States Patent was filed on \_\_\_\_\_, Application Number \_\_\_\_\_/\_\_\_\_\_.

☒ for which an application for a United States Patent was executed on October 2, 2001, and

Whereas, Schlumberger Technology Corporation of Sugar Land, Texas USA herein referred to "assignee" whose mailing address is 110 Schlumberger Drive, MD1 is desirous of acquiring the entire right, title and interest in the same;

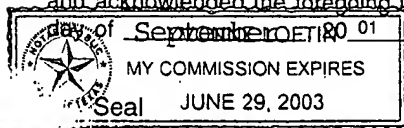
Now, therefore, in consideration of the sum of One dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 26th day of September, 2001,  
at Sugar Land, Texas

Jerald J. Hinkel  
(Signature)

State of Texas ) SS:  
County of Ft. Bend )

Before me personally appeared said Jerald J. Hinkel  
and acknowledged the foregoing instrument to be his free act and deed this 26th



[Signature]  
(Notary Public)

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## ASSIGNMENT OF APPLICATION

Docket Number (Optional)

56.0553CIP

Whereas, I, Ramchandra M. Reddy of Champion, hereafter referred to as applicant, have invented certain new and useful improvements in Foaming Agents for Use in Coal Seam Reservoirs

☐ for which an application for a United States Patent was filed on October 2, 2001  
Application Number                      /                     .

☒ for which an application for a United States Patent was executed on                     , and

Whereas, Schlumberger Technology Corporation of Sugar Land, Texas USA herein referred to "assignee" whose mailing address is 110 Schlumberger Drive, MD1 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of One dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 27<sup>th</sup> day of September, 2001  
at 3130 FM 521, Fresno, Texas 77545

M. Ramchandra Reddy  
(Signature)

State of Texas ) SS:  
County of Fort Bend )

Before me personally appeared said Ramchandra M. Reddy  
and acknowledged the foregoing instrument to be his free act and deed this 27<sup>th</sup>  
day of September, 2001.

Seal

Helen M. Schuck  
(Notary Public)

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JAN. 14, 2004